ELSEVIER

Plant Science 99 (1994) 229–232

PLANT SCIENCE

Subject index

Volume 99 (1994)

Abscisic acid; Conjugated abscisic acid; Arbuscular mycorrhizal fungi; Nitrogen-fixing cyanobacteria; *Glomus*; *Anabaena variabilis*; *Azospirillum brasilense* **99**, 9

Ac element; Transposon tagging; Gene tagging; Haploid plants **99**, 63

Aggregation; Chloroplast glyceraldehyde-3-phosphate dehydrogenase; Phase partitioning; Conformational change; NAD; NADP **99**, 39

Aleurone; Barley; Germination; β-Oxidation; Glyoxylate cycle; Microbody **99**, 43

Alfalfa; *Medicago sativa*; Tissue culture; Hydroponics; Selection; Phosphorus efficiency **99**, 17

α-Amylase; Rice; Gibberellin; Gene expression; DNA-binding protein **99**, 75

Anabaena variabilis; Abscisic acid; Conjugated abscisic acid; Arbuscular mycorrhizal fungi; Nitrogen-fixing cyanobacteria; *Glomus*; *Azospirillum brasilense* **99**, 9

Arabidopsis thaliana; Leucine aminopeptidase; Metalloproteinase **99**, 199

Arbuscular fungi; Endomycorrhiza; *Pisum sativum*; [myc$^+$, nod$^-$; myc$^-$, nod$^-$] pea mutants; Chitinase; Isoforms **99**, 27

Arbuscular mycorrhizal fungi; Abscisic acid; Conjugated abscisic acid; Nitrogen-fixing cyanobacteria; *Glomus*; *Anabaena variabilis*; *Azospirillum brasilense* **99**, 9

Azospirillum brasilense; Abscisic acid; Conjugated abscisic acid; Arbuscular mycorrhizal fungi; Nitrogen-fixing cyanobacteria; *Glomus*; *Anabaena variabilis* **99**, 9

Barley; Drought resistance; Water stress; Osmotic adjustment **99**, 125

Barley; Germination; β-Oxidation; Glyoxylate cycle; Microbody; Aleurone **99**, 43

Beta vulgaris; Histochemistry; Nitrous acid; Phytoalexins; Root rot; Temperature **99**, 223

Cell proliferation; Extracellular calmodulin; Suspension-cultured cells of *Angelica dahurica* **99**, 1

Chitinase; Arbuscular fungi; Endomycorrhiza; *Pisum sativum*; [myc$^+$, nod$^-$; myc$^-$, nod$^-$] pea mutants; Isoforms **99**, 27

Chitinase; Cucumber; Isoforms; Induction **99**, 141

Chloroplast glyceraldehyde-3-phosphate dehydrogenase; Phase partitioning; Aggregation; Conformational change; NAD; NADP **99**, 39

***Citrus* breeding**; Protoplast fusion; Cybrid; Embryogenesis **99**, 89

Conformational change; Chloroplast glyceraldehyde-3-phosphate dehydrogenase; Phase partitioning; Aggregation; NAD; NADP **99**, 39

Conjugated abscisic acid; Abscisic acid; Arbuscular mycorrhizal fungi; Nitrogen-fixing cyanobacteria; *Glomus*; *Anabaena variabilis*; *Azospirillum brasilense* **99**, 9

Cucumber; Chitinase; Isoforms; Induction **99**, 141

Cybrid; Protoplast fusion; Embryogenesis; *Citrus* breeding **99**, 89

Cysteine endopeptidase; *Zea mays*; Zein; Endosperm **99**, 189

Cytochrome b_5; Cytochrome P-450; Microsomal enzymes; Pea seedlings; Tulip bulbs; Maize endosperm cells **99**, 135

Cytochrome P-450; Cytochrome b_5; Microsomal enzymes; Pea seedlings; Tulip bulbs; Maize endosperm cells **99**, 135

0168-9452/94/$07.00 © 1994 Elsevier Science Ireland Ltd. All rights reserved

DNA-binding protein; Rice; α-Amylase; Gibberellin; Gene expression **99**, 75

Drought resistance; Water stress; Barley; Osmotic adjustment **99**, 125

Electroporation; *Nicotiana plumbaginifolia*; Protoplast culture; Transformation **99**, 211

Embryogenesis; Protoplast fusion; Cybrid; *Citrus* breeding **99**, 89

Endomycorrhiza; Arbuscular fungi; *Pisum sativum*; [myc$^+$, nod$^-$; myc$^-$, nod$^-$] pea mutants; Chitinase; Isoforms **99**, 27

Endosperm; Cysteine endopeptidase; *Zea mays*; Zein **99**, 189

Enzyme regulation through phosphorylation; Wheat embryos; Poly(A) polymerase; Phosphoprotein; In vitro dephosphorylation **99**, 151

Evolution; Phosphoenolpyruvate carboxylase; Gene family; Gene expression; Mutagenesis; Phosphorylation **99**, 111

Extracellular calmodulin; Cell proliferation; Suspension-cultured cells of *Angelica dahurica* **99**, 1

Gene expression; Phosphoenolpyruvate carboxylase; Gene family; Evolution; Mutagenesis; Phosphorylation **99**, 111

Gene expression; Rice; α-Amylase; Gibberellin; DNA-binding protein **99**, 75

Gene family; Phosphoenolpyruvate carboxylase; Gene expression; Evolution; Mutagenesis; Phosphorylation **99**, 111

Gene tagging; Transposon tagging; Ac element; Haploid plants **99**, 63

Genome evolution; Pseudogene; Small nuclear RNA; Tomato; U6 RNA **99**, 183

Germination; Barley; β-Oxidation; Glyoxylate cycle; Microbody; Aleurone **99**, 43

Gibberellin; Rice; α-Amylase; Gene expression; DNA-binding protein **99**, 75

Glomus; Abscisic acid; Conjugated abscisic acid; Arbuscular mycorrhizal fungi; Nitrogen-fixing cyanobacteria; *Anabaena variabilis*; *Azospirillum brasilense* **99**, 9

Glyoxylate cycle; Barley; Germination; β-Oxidation; Microbody; Aleurone **99**, 43

Haploid plants; Transposon tagging; Gene tagging; Ac element **99**, 63

Histochemistry; *Beta vulgaris*; Nitrous acid; Phytoalexins; Root rot; Temperature **99**, 223

Hydroponics; Alfalfa; *Medicago sativa*; Tissue culture; Selection; Phosphorus efficiency **99**, 17

In vitro dephosphorylation; Wheat embryos; Poly(A) polymerase; Phosphoprotein; Enzyme regulation through phosphorylation **99**, 151

Induction; Cucumber; Chitinase; Isoforms **99**, 141

Isoforms; Arbuscular fungi; Endomycorrhiza; *Pisum sativum*; [myc$^+$, nod$^-$; myc$^-$, nod$^-$] pea mutants; Chitinase **99**, 27

Isoforms; Cucumber; Chitinase; Induction **99**, 141

Leucine aminopeptidase; *Arabidopsis thaliana*; Metalloproteinase **99**, 199

Lipid transfer protein; Lipid transport; Liposome; Phosphatidylinositolmonophosphate; Phosphatidylinositolbisphoshate; Phosphoinositide **99**, 55

Lipid transport; Lipid transfer protein; Liposome; Phosphatidylinositolmonophosphate; Phosphatidylinositolbisphoshate; Phosphoinositide **99**, 55

Liposome; Lipid transfer protein; Lipid transport; Phosphatidylinositolmonophosphate; Phosphatidylinositolbisphoshate; Phosphoinositide **99**, 55

Maize endosperm cells; Cytochrome P-450; Cytochrome b_5; Microsomal enzymes; Pea seedlings; Tulip bulbs **99**, 135

Medicago sativa; Alfalfa; Tissue culture; Hydroponics; Selection; Phosphorus efficiency **99**, 17

Metalloproteinase; *Arabidopsis thaliana*; Leucine aminopeptidase **99**, 199

Microbody; Barley; Germination; β-Oxidation; Glyoxylate cycle; Aleurone **99**, 43

Microsomal enzymes; Cytochrome P-450; Cytochrome b_5; Pea seedlings; Tulip bulbs; Maize endosperm cells **99**, 135

mRNA metabolism; Poly(A) binding proteins **99**, 161

Mutagenesis; Phosphoenolpyruvate carboxylase; Gene family; Gene expression; Evolution; Phosphorylation **99**, 111

[myc$^+$, nod$^-$, myc$^-$, nod$^-$] pea mutants; Arbuscular fungi; Endomycorrhiza; *Pisum sativum*; Chitinase; Isoforms **99**, 27

NAD; Chloroplast glyceraldehyde-3-phosphate dehydrogenase; Phase partitioning; Aggregation; Conformational change; NADP **99**, 39

NADP; Chloroplast glyceraldehyde-3-phosphate dehydrogenase; Phase partitioning; Aggregation; Conformational change; NAD **99**, 39

Nicotiana plumbaginifolia; Protoplast culture; Transformation; Electroporation **99**, 211

Nitrogen-fixing cyanobacteria; Abscisic acid; Conjugated abscisic acid; Arbuscular mycorrhizal fungi; *Glomus*; *Anabaena variabilis*; *Azospirillum brasilense* **99**, 9

Nitrous acid; *Beta vulgaris*; Histochemistry; Phytoalexins; Root rot; Temperature **99**, 223

Osmotic adjustment; Drought resistance; Water stress; Barley **99**, 125

β-Oxidation; Barley; Germination; Glyoxylate cycle; Microbody; Aleurone **99**, 43

Patatin; Plasma membrane; Potato; Sink; Source transition; Storage proteins; Two-dimensional gel electrophoresis **99**, 97

Pea seedlings; Cytochrome P-450; Cytochrome b_5; Microsomal enzymes; Tulip bulbs; Maize endosperm cells **99**, 135

Phase partitioning; Chloroplast glyceraldehyde-3-phosphate dehydrogenase; Aggregation; Conformational change; NAD; NADP **99**, 39

Phosphatidylinositolbisphoshate; Lipid transfer protein; Lipid transport; Liposome; Phosphatidylinositolmonophosphate; Phosphoinositide **99**, 55

Phosphatidylinositolmonophosphate; Lipid transfer protein; Lipid transport; Liposome; Phosphatidylinositolbisphoshate; Phosphoinositide **99**, 55

Phosphoenolpyruvate carboxylase; Gene family; Gene expression; Evolution; Mutagenesis; Phosphorylation **99**, 111

Phosphoinositide; Lipid transfer protein; Lipid transport; Liposome; Phosphatidylinositolmonophosphate; Phosphatidylinositolbisphoshate **99**, 55

Phosphoprotein; Wheat embryos; Poly(A) polymerase; In vitro dephosphorylation; Enzyme regulation through phosphorylation **99**, 151

Phosphorus efficiency; Alfalfa; *Medicago sativa*; Tissue culture; Hydroponics; Selection **99**, 17

Phosphorylation; Phosphoenolpyruvate carboxylase; Gene family; Gene expression; Evolution; Mutagenesis **99**, 111

Photosystem II; Plastid gene expression; Promoters; Rice; Transcription units **99**, 171

Phytoalexins; *Beta vulgaris*; Histochemistry; Nitrous acid; Root rot; Temperature **99**, 223

Pisum sativum; Arbuscular fungi; Endomycorrhiza; [myc$^+$, nod$^-$; myc$^-$, nod$^-$] pea mutants; Chitinase; Isoforms **99**, 27

Plasma membrane; Potato; Sink; Source transition; Storage proteins; Patatin; Two-dimensional gel electrophoresis **99**, 97

Plastid gene expression; Photosystem II; Promoters; Rice; Transcription units **99**, 171

Poly(A) binding proteins; mRNA metabolism **99**, 161

Poly(A) polymerase; Wheat embryos; Phosphoprotein; In vitro dephosphorylation; Enzyme regulation through phosphorylation **99**, 151

Potato; Plasma membrane; Sink; Source transition; Storage proteins; Patatin; Two-dimensional gel electrophoresis **99**, 97

Promoters; Photosystem II; Plastid gene expression; Rice; Transcription units **99**, 171

Protoplast culture; *Nicotiana plumbaginifolia*; Transformation; Electroporation **99**, 211

Protoplast fusion; Cybrid; Embryogenesis; *Citrus* breeding **99**, 89

Pseudogene; Genome evolution; Small nuclear RNA; Tomato; U6 RNA **99**, 183

Rice; α-Amylase; Gibberellin; Gene expression; DNA-binding protein **99**, 75

Rice; Photosystem II; Plastid gene expression; Promoters; Transcription units **99**, 171

Root rot; *Beta vulgaris*; Histochemistry; Nitrous acid; Phytoalexins; Temperature **99**, 223

Selection; Alfalfa; *Medicago sativa*; Tissue culture; Hydroponics; Phosphorus efficiency **99**, 17

Sink; Plasma membrane; Potato; Source transition; Storage proteins; Patatin; Two-dimensional gel electrophoresis **99**, 97

Small nuclear RNA; Genome evolution; Pseudogene; Tomato; U6 RNA **99**, 183

Source transition; Plasma membrane; Potato; Sink; Storage proteins; Patatin; Two-dimensional gel electrophoresis **99**, 97

Storage proteins; Plasma membrane; Potato; Sink; Source transition; Patatin; Two-dimensional gel electrophoresis **99**, 97

Suspension-cultured cells of *Angelica dahurica*; Extracellular calmodulin; Cell proliferation **99**, 1

Temperature; *Beta vulgaris*; Histochemistry; Nitrous acid; Phytoalexins; Root rot **99**, 223

Tissue culture; Alfalfa; *Medicago sativa*; Hydroponics; Selection; Phosphorus efficiency **99**, 17

Tomato; Genome evolution; Pseudogene; Small nuclear RNA; U6 RNA **99**, 183

Transcription units; Photosystem II; Plastid gene expression; Promoters; Rice **99**, 171

Transformation; *Nicotiana plumbaginifolia*; Protoplast culture; Electroporation **99**, 211

Transposon tagging; Gene tagging; Ac element; Haploid plants **99**, 63

Tulip bulbs; Cytochrome P-450; Cytochrome b_5; Microsomal enzymes; Pea seedlings; Maize endosperm cells **99**, 135

Two-dimensional gel electrophoresis; Plasma membrane; Potato; Sink; Source transition; Storage proteins; Patatin **99**, 97

U6 RNA; Genome evolution; Pseudogene; Small nuclear RNA; Tomato **99**, 183

Water stress; Drought resistance; Barley; Osmotic adjustment **99**, 125

Wheat embryos; Poly(A) polymerase; Phosphoprotein; In vitro dephosphorylation; Enzyme regulation through phosphorylation **99**, 151

Zea mays; Cysteine endopeptidase; Zein; Endosperm **99**, 189

Zein; Cysteine endopeptidase; *Zea mays*; Endosperm **99**, 189

ELSEVIER

Plant Science 99 (1994) 233

PLANT SCIENCE

Author index

Volume 99 (1994)

Anderson, L.E. **99**, 39
Asselin, A. **99**, 27

Bakhuizen, R. **99**, 43
Barnes, D.K. **99**, 17
Bartling, D. **99**, 199
Berkowitz, G.A. **99**, 125
Biesboer, D.D. **99**, 17
Borgmann, K. **99**, 97
Bothe, H. **99**, 9
Börner, T. **99**, 63
Brandenburg, E. **99**, 63

Chen, S.G. **99**, 171
Chen, L.O. **99**, 171
Cheng, M. **99**, 171
Cheng, G. **99**, 1
Chiesara, E. **99**, 135
Chollet, R. **99**, 111
Cipelletti, B. **99**, 135
Crétin, C. **99**, 111

deBarros, E.G. **99**, 189
Douma, A.C. **99**, 43
Dumas-Gaudot, E. **99**, 27

Esch, H. **99**, 9

Frommer, W.B. **99**, 97

Gadal, P. **99**, 111
Gianinazzi, S. **99**, 27
Gianinazzi-Pearson, V. **99**, 27
Glinka, Z. **99**, 125
Goldman, S. **99**, 75
Gollotte, A. **99**, 27
Guerbette, F. **99**, 55
Gunasekera, D. **99**, 125

Halloin, J.M. **99**, 223
Harryson, P. **99**, 55
Heistek, J.C. **99**, 43
Helgeson, J.P. **99**, 211
Hmyene, A. **99**, 55
Holtman, W.L. **99**, 43
Hundeshagen, B. **99**, 9
Hunt, A.G. **99**, 161

Kader, J-C. **99**, 55
Kobayashi, S. **99**, 89

Larkins, B.A. **99**, 189
Lepiniec, L. **99**, 111
Li, H. **99**, 1
Li, D. **99**, 39
Lo, P. **99**, 171
Lu, J. **99**, 171

Marabini, L. **99**, 135
Mattern, K.A. **99**, 43
Mawal, Y.R. **99**, 75
Meixner, M. **99**, 63

Nosek, J. **99**, 199

Ohgawara, T. **99**, 89

Pacold, M.M. **99**, 39
Presting, G.G. **99**, 211
Punja, Z.K. **99**, 141

Radice, S. **99**, 135

Sachar, R.C. **99**, 151
Sain, S.L. **99**, 17
Saito, W. **99**, 89
Santakumari, M. **99**, 125
Schieder, O. **99**, 63
Schmidt-Rogge, T. **99**, 63
Schneider-Poetsch, Hj. **99**, 9
Shimizu, J. **99**, 89
Sinha, P. **99**, 97
Solymosy, F. **99**, 183
Stina Sandelius, A. **99**, 55
Sun, D. **99**, 1
Szkukálek, A. **99**, 183

Tanida, I. **99**, 75

Verma, N. **99**, 151
Vidal, J. **99**, 111

Weber, B. **99**, 63
Wu, R. **99**, 75

Yang, J. **99**, 161

Zhang, Y-Y. **99**, 141

0168-9452/94/$07.00 © 1994 Elsevier Science Ireland Ltd. All rights reserved